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**From:** McDougal, Jason S [Jason.S.McDougal@wv.gov]  
**Sent:** 6/4/2018 5:12:25 PM  
**To:** Barrios, Juan D [Juan.D.Barrios@wv.gov]; Bleiler, Justin [Bleiler.Justin@epa.gov]  
**Subject:** RE: Needleseye

Juan,  
I don't think that is on EPA radar. It is an AML issue right now.  
Jake

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**From:** Barrios, Juan D  
**Sent:** Monday, June 4, 2018 1:04 PM  
**To:** Bleiler, Justin <Bleiler.Justin@epa.gov>  
**Cc:** McDougal, Jason S <Jason.S.McDougal@wv.gov>  
**Subject:** RE: Needleseye

Justin,

The house with the water coming from the side of the hill. I think the site was named mine #2 or Moe's house.

Regards,

**Juan de Dios Barrios, Ph.D., GISP.**

Technical Analyst Associate  
West Virginia Department Environmental Protection  
Division Land Restoration  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304  
(304) 926-0499, Ext. 1267  
E-mail: [juan.d.barrios@wv.gov](mailto:juan.d.barrios@wv.gov)

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**From:** Bleiler, Justin <Bleiler.Justin@epa.gov>  
**Sent:** Monday, June 4, 2018 1:00 PM  
**To:** Barrios, Juan D <Juan.D.Barrios@wv.gov>  
**Cc:** McDougal, Jason S <Jason.S.McDougal@wv.gov>  
**Subject:** RE: Needleseye

Juan,

What do you mean by "the house with the mudslide?" I will work on answering your other questions.

Thanks,

Justin Bleiler  
Site Assessment Manager, HSCD  
Environmental Protection Agency, Region 3  
1650 Arch St., 3HS12  
Philadelphia, PA 19103

215-814-3308

[bleiler.justin@epa.gov](mailto:bleiler.justin@epa.gov)

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**From:** Barrios, Juan D [<mailto:Juan.D.Barrios@wv.gov>]

**Sent:** Monday, June 04, 2018 12:44 PM

**To:** Bleiler, Justin <[Bleiler.Justin@epa.gov](mailto:Bleiler.Justin@epa.gov)>

**Cc:** Jason.S.McDougal\_wv.gov <[Jason.S.McDougal@wv.gov](mailto:Jason.S.McDougal@wv.gov)>

**Subject:** RE: Needleseye

Hi Justin,

Last Thursday a manager for AML and I went for a site inspection in Minden. We found two portals on the Berwyn Land Co property. We have marked the locations for two sediments samples (total 4 possible samples). Also, we visited the house with the mudslide. How do you want the locations identified for you – latitude & longitude or shapefile?

Regarding Needles eye I have two basic questions:

1. How many samples do you plan to take? and
2. How do you plan to sample?

The Needles Eye location is approximately 3.5 acres. I suggest the use of the LiDAR for feature extraction, for the other area of Needles Eye to use a grid or randomly generated locations, kind of a hybrid model.

I have most of the work done for the sample location, please let me know what you want me to do.

Regards,

**Juan de Dios Barrios, Ph.D., GISP.**

Technical Analyst Associate

West Virginia Department Environmental Protection

Division Land Restoration

601 57<sup>th</sup> Street, SE

Charleston, WV 25304

(304) 926-0499, Ext. 1267

E-mail: [juan.d.barrios@wv.gov](mailto:juan.d.barrios@wv.gov)

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**From:** Bleiler, Justin <[Bleiler.Justin@epa.gov](mailto:Bleiler.Justin@epa.gov)>

**Sent:** Monday, June 4, 2018 11:58 AM

**To:** Barrios, Juan D <[Juan.D.Barrios@wv.gov](mailto:Juan.D.Barrios@wv.gov)>

**Cc:** McDougal, Jason S <[Jason.S.McDougal@wv.gov](mailto:Jason.S.McDougal@wv.gov)>

**Subject:** Needleseye

Hi Juan,

I hope you've been well. Have you had the chance to talk to the AML program and nail down the locations of the Needleseye mine portals?

Thanks,

Justin Bleiler

Site Assessment Manager, HSCD

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Environmental Protection Agency, Region 3  
1650 Arch St., 3HS12  
Philadelphia, PA 19103  
215-814-3308  
[bleiler.justin@epa.gov](mailto:bleiler.justin@epa.gov)